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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/972,949	10/10/2001	Ryutaro Oka	Q66636	4803
7	590 07/18/2003			
SUGHRUE, MION, ZINN, MACPEAK & SEAS 2100 Pennsylvania Avenue, N.W. Washington, DC 20037			EXAMINER	
			SY, MARIANO ONG	
			ART UNIT	PAPER NUMBER
			3683	
			DATE MAILED: 07/18/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

•	Application No.	Applicant(s)
	09/972,949	OKA, RYUTARO
Office Action Summary	Examiner	Art Unit
	Mariano Sy	3683
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet w	vith the correspondence address
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a rep - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statut - Any reply received by the Office later than three months after the mailine earned patent term adjustment. See 37 CFR 1.704(b).  Status	136(a). In no event, however, may a ply within the statutory minimum of thi will apply and will expire SIX (6) MOI e, cause the application to become A	reply be timely filed  rty (30) days will be considered timely.  NTHS from the mailing date of this communication.  BANDONED (35 U.S.C. § 133).
1) Responsive to communication(s) filed on 30	June 2003 .	
2a)⊠ This action is <b>FINAL</b> . , 2b)□ Ti	his action is non-final.	
3) Since this application is in condition for allow closed in accordance with the practice under Disposition of Claims		
4) $\boxtimes$ Claim(s) <u>2-5</u> is/are pending in the application		
4a) Of the above claim(s) is/are withdra	awn from consideration.	
5) Claim(s) is/are allowed.		
6)⊠ Claim(s) <u>2 and 5</u> is/are rejected.		
7)⊠ Claim(s) <u>3 and 4</u> is/are objected to.	•	
8) Claim(s) are subject to restriction and/o	or election requirement.	•
9) The specification is objected to by the Examine	er.	
10) ☐ The drawing(s) filed on is/are: a) ☐ acce		the Examiner
Applicant may not request that any objection to the		
11)⊠ The proposed drawing correction filed on <u>30 Ju</u>		• • • • • • • • • • • • • • • • • • • •
If approved, corrected drawings are required in re		, ,
12) The oath or declaration is objected to by the Ex	xaminer.	
Priority under 35 U.S.C. §§ 119 and 120		
13) Acknowledgment is made of a claim for foreig	n priority under 35 U.S.C.	§ 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:		
1. Certified copies of the priority documen	ts have been received.	
2. Certified copies of the priority documen		Application No.
<ol> <li>Copies of the certified copies of the price application from the International But</li> </ol>	ority documents have beer ureau (PCT Rule 17.2(a)).	received in this National Stage
* See the attached detailed Office action for a list		
14) Acknowledgment is made of a claim for domest		
<ul> <li>a) ☐ The translation of the foreign language preduced the second second</li></ul>		
Attachment(s)		
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of	Summary (PTO-413) Paper No(s) Informal Patent Application (PTO-152)
S. Patent and Trademark Office TO-326 (Rev. 04-01) Office Ad	ction Summary	Part of Paper No. 7

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## **DETAILED ACTION**

1. The amendment filed on June 30, 2003 has been received.

## Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Moretti et al.

Re-claim 2 Moretti et al. disclose, as shown in fig. 1-3, a rolling bearing assembly having a temperature sensor 17 built therein, wherein bearing assembly comprises: stationary 1 and rotary 2 bearing rings one positioned inside the other; a sealing member 9, 10 secured to the stationary bearing ring; and the temperature sensor secured to the sealing member for measuring a temperature inside the bearing assembly; wherein the sealing member includes a core metal 10 fitted to the stationary bearing ring, and a sealing device 9 integrated together with the core metal and wherein the temperature sensor is secured to the core metal in contact therewith. However Moretti et al. was silent to disclose the sealing device 9 is made of a rubber or resin. It would have been obvious to one of ordinary skill in the art to have the sealing device of Moretti et al. made of rubber or resin depending upon the size and application of the bearing assembly in order to save cost.

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4. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Moretti et al. in view of Gomez et al. (U.S. Patent Number 5,833,371).

Re-claim 5 Moretti et al. disclose, as shown in fig. 1-3, wherein the temperature sensor is an electronic sensor, see col. 3, lines 35-36. However Moretti et al. was silent to disclose the temperature sensor is a chip-type laminar thermistor. Gomez et al. teaches the use of thermistor as temperature sensor in col. 1, lines 35-36. It would have been obvious to one of ordinary skill in the art to have merely utilized the known thermistor for use as a temperature sensor into the bearing assembly of Moretti et al., in view of the teaching of Gomez et al., in order to get an accurate reading of the temperature inside the bearing depending upon the type of application, cost, and availability.

- 5. Claims 3 and 4 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 6. Applicant's arguments filed on June 30, 2003 have been fully considered but they are not persuasive.

Examiner maintains the rejection is proper. Applicant argued that Moretti et al. '471 does not teach or suggest the claimed rolling bearing assembly having a sealing member made up of a core metal in which a temperature sensor is secured to the core metal in contact therewith. Moretti et al., as shown in fig. 3, disclosed the temperature

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sensor 17 readable as circumferentially secured and in contact with the stationary

annular insert (metal core) 10 and mounted to sensor body 16; therefore still readable to

the amended independent claim 2.

7. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time

policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the mailing date of this final action.

8. Any inquiry concerning this communication should be directed to Mariano Sy at

telephone number 703-308-3427.

M. Sy

July 17, 2003

MATTHEW C. GRAHAM PRIMARY EXAMINER GROUP 310

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